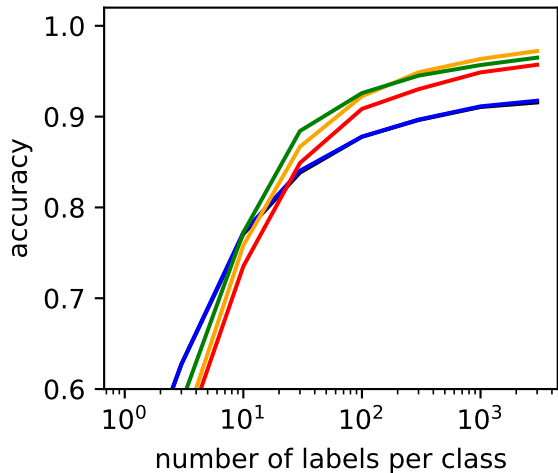linear classifier performance